



# Aviation Technology Helicopter

Associate Degree Program 

## About

Many professional helicopter pilots flying today received training from the US Army during the Vietnam conflict. These pilots are approaching mandatory retirement age and as a result there is a growing need for qualified helicopter pilots. Demand in helicopter pilot career paths such as Search & Rescue, Emergency Medical Services (EMS), Oil Exploration, Charter Services, Flight Instruction, Heavy Lift, Tourism, Law Enforcement, News Reporting and Executive Transport is increasing. The Aviation Technology Helicopter Pilot Program provides the graduate with the Federal Aviation Administration (FAA) certifications required to start your career as a professional helicopter pilot in addition to providing foundational education in the Science, Mathematics and Liberal Arts.

The hands-on training and experience is provided by Seacoast Helicopters (Veterans Administration Facility Code #25003729) in their hangar, training spaces and offices located one quarter mile from GBCC, in new, well-maintained Robinson R22 Beta II (FAA weight limit up through 220 lbs.) and Robinson R44 Raven II (FAA weight limit over 220 lbs. up through 300 lbs.) helicopters. Instruction is provided by FAA-certified flight and ground instructors in primary, instrument, commercial and instructor ratings.

The goal of the program is to provide our students with a comprehensive academic and aviation foundation, emphasizing technical/flying skills, integrity, decision-making, leadership, dedication and professionalism. The program provides students the skills, FAA ratings and academic degree to be highly competitive as they enter the employment market in pursuit of a position as a professional helicopter pilot. The program can admit students with absolutely no experience in helicopter piloting and is completed on a full-time basis in two years (summer session is required).

### Students will be able to:

Students graduate with all of the certifications and licenses necessary to immediately start a career as a helicopter pilot. Graduates will hold a Commercial Pilot License/Helicopter with an Instrument Rating/Helicopter and Instructor-Instrument Certification/Helicopter. In addition to the Professional Pilot career path, the program provides a good starting place for entry into such career fields as Airport Management, Aircraft Maintenance, Airport Line Management, Fixed-Base Operation Management and Airport Maintenance.

### Admissions Requirements:

1. Complete an application to the college.
2. Provide proof of high school completion or equivalent.
3. Take placement test in reading, writing, computers, and math; place into math 084 or higher
4. Interview with program chair.
5. Second-Class Medical Certificate (required annually, refer to Tuition Rates and Fees page 19 of the GBCC college catalog)

## Occupations/Outlook Trends

Successful completion of this degree program provides students the opportunity to seek employment in the exciting world of aviation in the most enviable position of helicopter pilot. According to New Hampshire and national employment projections (2013-2023), the outlook for commercial pilots is favorable locally and nationally. The US Bureau of Labor Statistics Occupational Outlook Handbook (March 29, 2012), states that airline and commercial helicopter pilot occupational growth is projected at 11% through 2020, with employment change (new jobs) 2010 – 2020 projected at 11,500. In May 2010, the median annual wage for helicopter airline pilots, copilots, and flight engineers was \$103,210, and median annual wage of a commercial helicopter pilot was \$67,500.

## How Much Can I Expect to Earn?

To learn more about potential earnings visit:

<http://careers.stateuniversity.com/pages/cxipdvkb4j/Helicopter-Pilot.html>

or

<http://www1.salary.com/Helicopter-Pilot-Salary.html>

## Why Aviation Technology Helicopter at Great Bay?

- The demand for qualified helicopter pilots is growing.
- There are no other programs like this one in the Northeast US.
- The backdrop to do the training is gorgeous – spectacular scenery everywhere you look.
- The airport at Portsmouth International is state-of-the-art and is open 365 days a year.



Great Bay  
Community College

320 Corporate Drive, Portsmouth, NH 03801  
603.427.7600



Student Name: \_\_\_\_\_

Student ID #: \_\_\_\_\_



**YOUR PATHWAY TO AN ASSOCIATE DEGREE**  
This **ACADEMIC MAP** keeps you on track to graduate in two years

**DEGREE PROGRAM - FIRST YEAR**

**Semester 1**

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
AVTN150G	Private Pilot I Ground	AVTN151G (c)	3			
AVTN151G	Private Pilot I Flight**	AVTN150G (c)	4			
FYE101G	First Year Seminar		1			
ENGL110G	College Composition I	Placement testing or C or better in ENGL099G (p)	4			
<b>Total</b>			<b>12</b>			

**Semester 2**

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
AVTN160G	Private Pilot II Ground	AVTN150G / AVTN152G or higher (p) AVTN161G (c)	3			
AVTN161G	Private Pilot II Flight**	AVTN151G and MATH150G / MATH152G or higher (p) AVTN160G (c)	4			
ENGL210G	Oral Communications	ENGL110G or equivalent (p)	3			
MATH150G/152G	College Algebra (Plus)	Placement testing or C or better in MATH080G or MATH084G or MATH090G (p)	4-5			
<b>Total</b>			<b>14-15</b>			

**Semester 3**

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
AVTN170G	Instrument Pilot Ground	AVTN160G (p) AVTN171G (c)	3			
AVTN171G	Instrument Pilot Flight***	AVTN161G (p) AVTN170G (c)	4			
Social Science Elective	Social Science Elective		3			
Liberal Arts Elective*	Liberal Arts Elective*		3			
<b>Total</b>			<b>13</b>			

**DEGREE PROGRAM - SECOND YEAR**

**Semester 4**

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
AVTN250G	Commercial Pilot Ground	AVTN170G (p) AVTN251G (c) PHYS135G (c)	3			
AVTN251G	Commercial Pilot Flight**	AVTN171G (p) AVTN250G (c) PHYS135G (c)	5			
PHYS135G	College Physics	C or better in MATH150G / MATH152G (p)	4			
CRIT150G	Critical Thinking		3			
<b>Total</b>			<b>15</b>			

**Semester 5**

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
AVTN252G	Certified Flight Instructor Ground	AVTN250G (p) AVTN253G (c)	1.5			
AVTN253G	Certified Flight Instructor Flight**	AVTN251G (p) AVTN252G (c)	2			
AVTN254G	Certified Flight Instructor Instrument Ground	AVTN252G (p) AVTN255G (c)	1.5			
AVTN255G	Certified Flight Instructor Instrument Flight***	AVTN253G (p) AVTN254G (c)	2			
Liberal Arts elective*	Liberal Arts elective*		3			
<b>Total</b>			<b>10</b>			

**Total Credits 64/65**

\* Can be fulfilled by MATH145G Prerequisite to MATH150G or other Liberal Arts Electives  
 \*\* Either R22 or R44 helicopter  
 \*\*\* R44 helicopter required

Revised 4/15/17

**SUCCESS STRATEGIES**

Take English and Math in your first semester.

Meet with your Academic Advisor every semester.

Explore Transfer opportunities.

Take advantage of Tutoring Services.

Consider Summer courses to catch up or get ahead.

Maintain an overall GPA of 2.0 to graduate.

Check your student email daily.